Comparative Example 12

[0305] An organic light emitting diode was manufactured according to the same method as Example 8 except for using Compound 22 as a single host instead of two hosts of Compound 21 and Compound B-1.

Comparative Example 13

[0306] An organic light emitting diode was manufactured according to the same method as Example 8 except for using Compound B-1 as a single host instead of two hosts of Compound 21 and Compound B-1.

Comparative Example 14

[0307] An organic light emitting diode was manufactured according to the same method as Example 8 except for using Compound B-2 as a single host instead of two hosts of Compound 21 and Compound B-1.

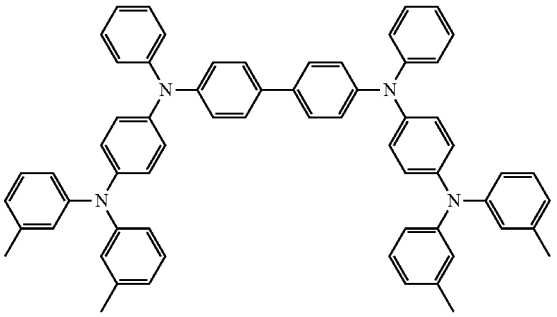
Comparative Example 15

[0308] An organic light emitting diode was manufactured according to the same method as Example 8 except for using Compound B-33 as a single host instead of two hosts of Compound 21 and Compound B-1.

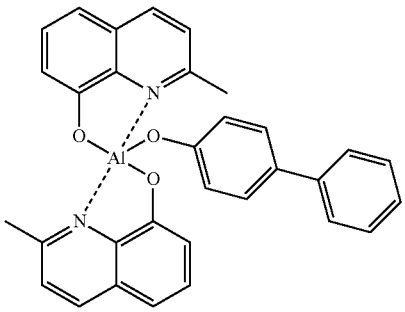
Comparative Example 16

[0309] An organic light emitting diode was manufactured according to the same method as Example 8 except for using Compound B-34 as a single host instead of two hosts of Compound 21 and Compound B-1.

[0310] DNTPD, BAlq, HT-1, CBP, and $Ir(pq)_2acac$ used to manufacture the organic light emitting diode have the following structures.



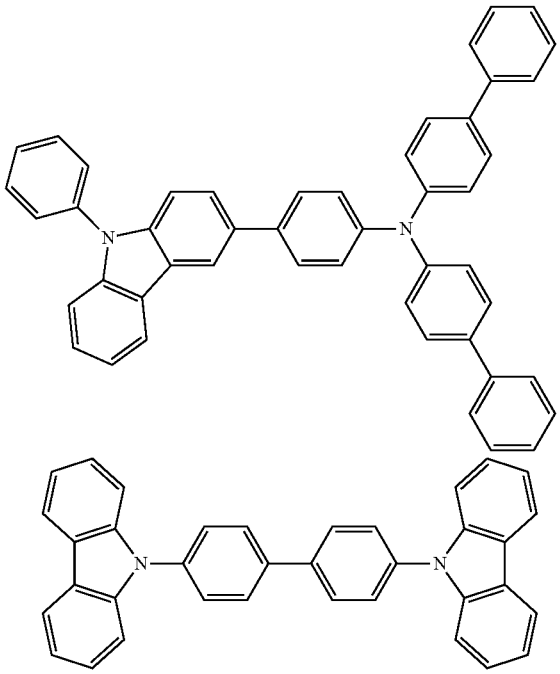
[DNTPD]



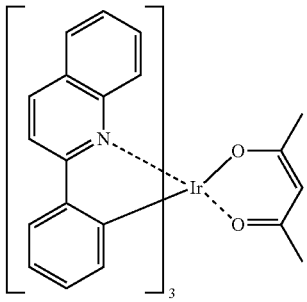
[BAlq]

-continued

[HT-1]



[CBP]



$[Ir(pq)_2acac]$

[0311] Evaluation

[0312] Luminous efficiency and life-span of each organic light emitting diode according to Examples 8 to 12 and Comparative Examples 10 to 16 were measured.

[0313] Specific measurement methods were as follows, and the results were provided in Table 2.

[0314] (1) Measurement of Current Density Change Depending on Voltage Change

[0315] The obtained organic light emitting diodes were measured for current value flowing in the unit device while increasing the voltage from 0 V to 10 V using a current-voltage meter (Keithley 2400), and the measured current value was divided by area to provide the results.

[0316] (2) Measurement of Luminance Change Depending on Voltage Change

[0317] Luminance was measured by using a luminance meter (Minolta Cs-1000A), while the voltage of the organic light emitting diodes was increased from 0 V to 10 V.